City of Austin-Department of Aviation Austin-Bergstrom International Airport Master Plan







How Long Will this Take?



Did You Know?: ABIA is Ranked 4th Best U.S. Domestic Airport

Voting Criteria: Access, Check-in/Security,

Design Shopping and Restaurants/Bars

#1: Portland International Airport (PDX)

#2: Indianapolis International Airport (IND)

#3: Tampa International Airport (TPA)

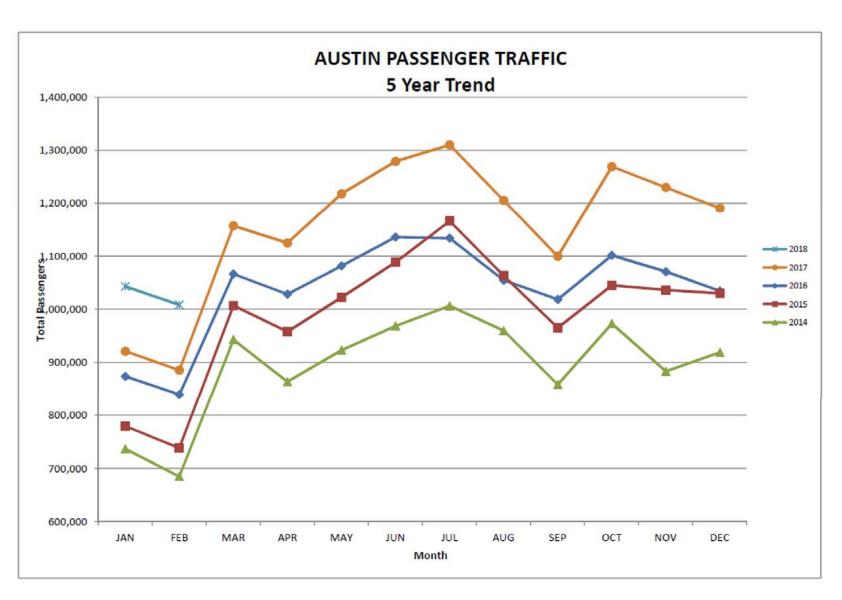
#4: Austin-Bergstrom Int. Airport (AUS)

#5: Minneapolis-St. Paul International Airport (MSP)

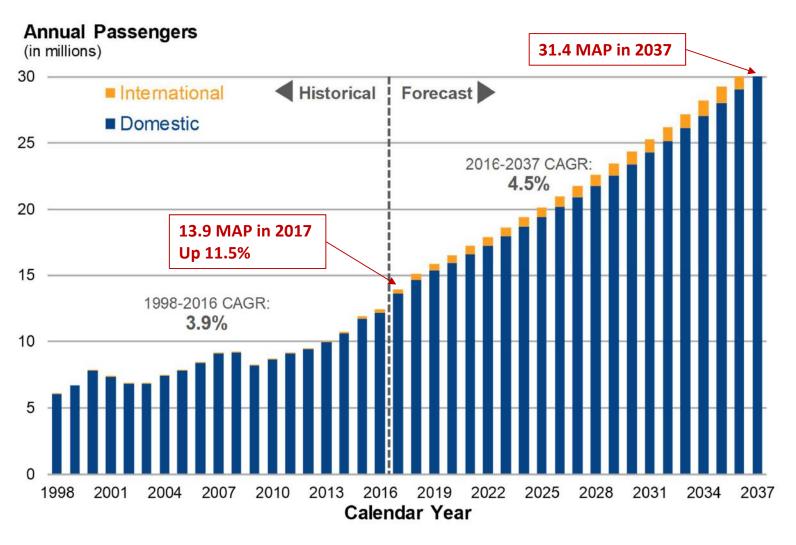




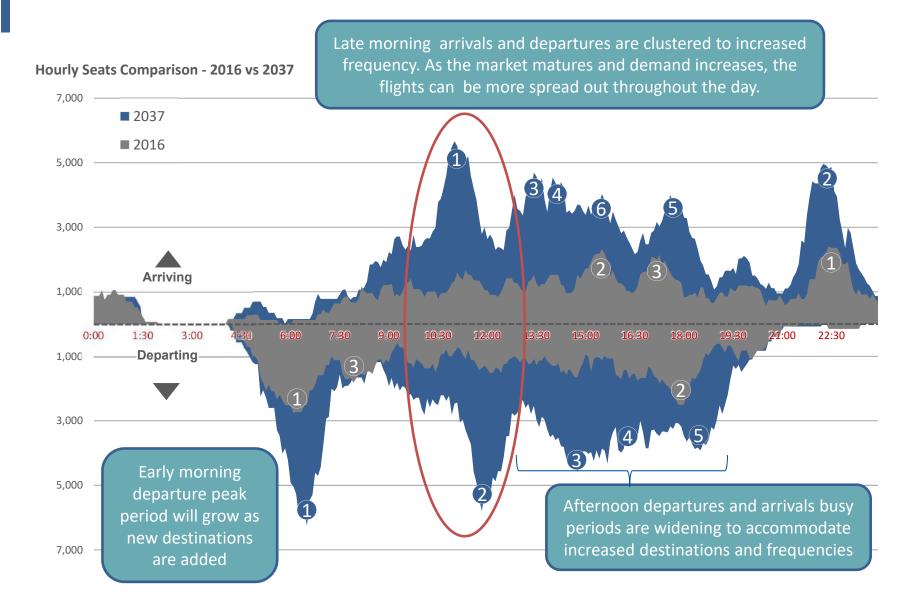
ABIA Historical Passenger Traffic



ABIA Enplaned Passenger 4.5% Compound Annual Growth Rate



Peak Hour Growth





Planning Activity Levels (PAL's)

PAL 3 (2027)

PAL 4 (2037)

20-22



27-31

129,800 - 513,500



161,000 – 1.5 M

Tons of Enplaned Cargo

247,800 - 287,200

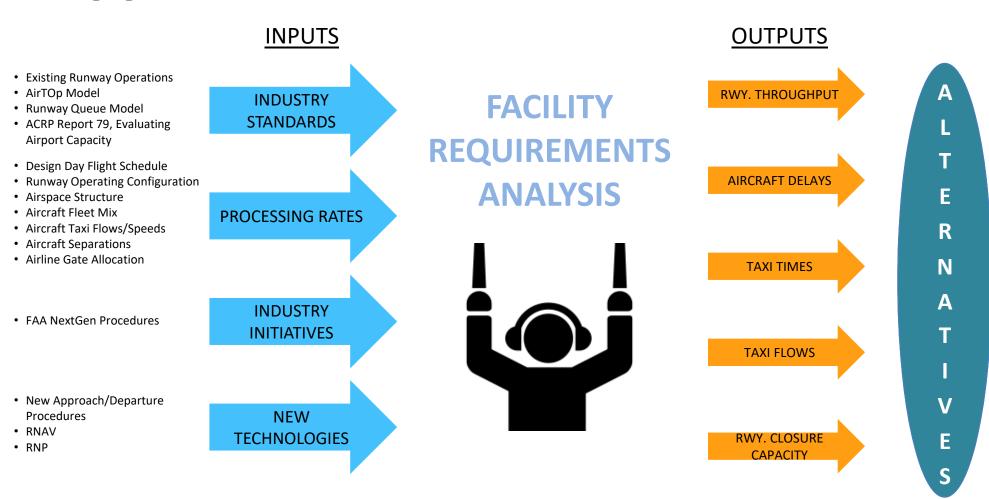


296,500 - 426,6000





Runway Facility Requirements Approach



Effects of Closing Runways



Using data from the forecasting analysis, aviation planners predicted how closing each runway will affect flight schedules and delays.

Closure of Runway 17R-35L

The delay threshold of 10 minutes will be reached by 2032, or 360,000 annual operations



Closure of Runway 17L-35R

The delay threshold of 10 minutes will be reached by 2029, or 313,000 annual operations



Runway Length Requirements

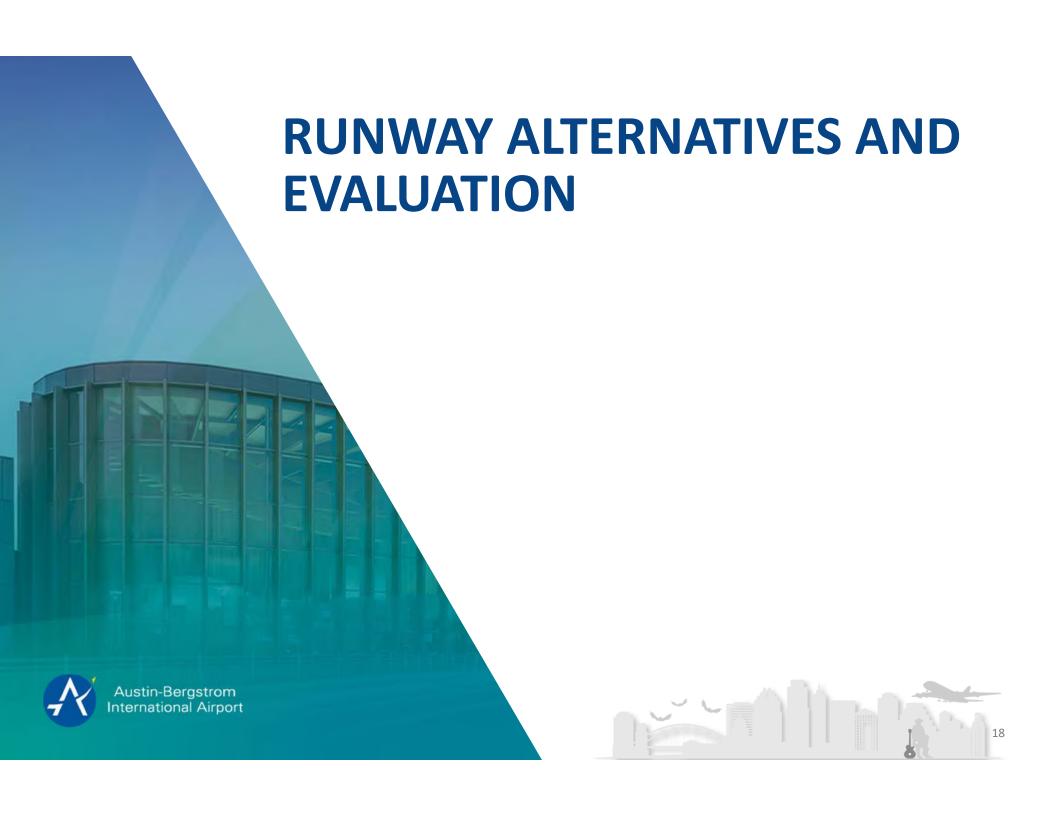
Takeoffs



Cargo ~ 11,300 - 6,200 International ~ 11,200 - 9,000 Domestic ~ 10,500 - 5,800

Landings

Cargo ~ 9,000 - 5,856 International ~ 7,200 - 6,500 Domestic ~ 6,900 - 5,405

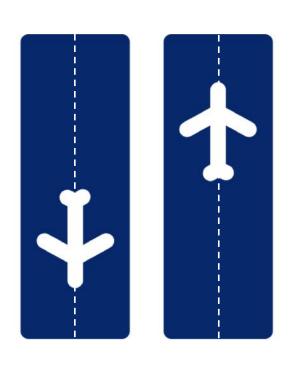


Runway Alternatives Development

Using industry standards, the ABIA team looked at two different approaches to runways.

Closely-Spaced:

A runway that is a minimum 1,200 feet away from the existing runway will have less overall impacts and capacity.



Widely-Spaced:

A runway that is a minimum of 4,300 feet away from the existing runway. These have a larger capacity, but require more land acquisition.

Runway Alternatives Evaluation Criteria













Runway Length



Annual Total Movements



Peak Hour Balance



Potential Terminal Development



Million Annual Passengers



Roadway Impact



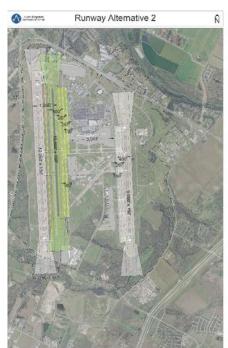
Land Development Impacts Lan

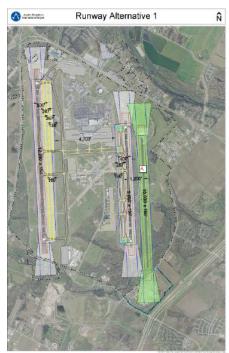


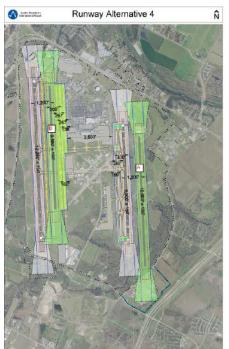
Land Acquisition

Runway Alternatives Evaluation

Evaluation Criteria	Runway Alternatives Score													
	1	1a	2	3	3a	4	5	6	7	8	9	10	11	12
MAP	50.3	50.3	50.3	66.5	66.5	56.1	72.3	72.3	66.5	78.2	78.2	72.3	66.5	72.3
Runway centerline separation	0	0	0	¢	O	0	¢	¢	·	¢	¢	¢	¢	¢
2. Runway length	•		0	0		¢	¢	0	0	¢	o	0	O	¢
3. Peak hour balanced operations (arrivals and departure)	0	-	0		÷	¢	¢	•	0	•	¢	-	•	¢
4. Annual total movements (ATMs)	0	0	0	¢	O	¢	¢	¢	·	¢	¢	¢	¢	¢
5. Million annual passengers (MAP)	0	•	0	¢	O	¢	¢	0	0	¢	¢	¢	O	¢
6. Land acquisition	0	÷	0	0	0	¢	0	0		0				0
7. Environmental impacts	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Off-airport roadway impacts	0					0							0	
9. Off-airport land development impacts	0	÷	0			0								
10. Potential terminal development	0	-		¢	¢		¢						¢	Ç
11. Constructability/Phasing	0	0	O	0	0	0	0							0
12. Development costs	0	0	O	0	0	0	0							0
TOTAL SCORE	7	4	9	4	2	5	4	0	1	0	-1	-1	2	4





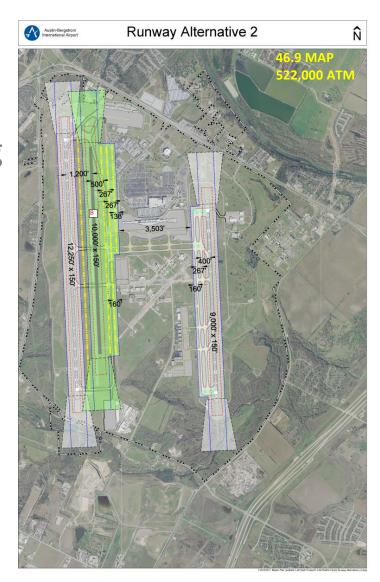


Scoring:	Positive	
	Neutral	
	Negative	

Includes "Off-Airport Land Development Impacts"

Runway Alternative 2 Summary

- Provides additional runway capacity will beyond the 20-year horizon
- Has minimal impacts to surrounding communities
- Relocate west support facilities and cargo complex
- Limits western expansion of the existing terminal and concourse gates
- Major gate expansion will be to the south

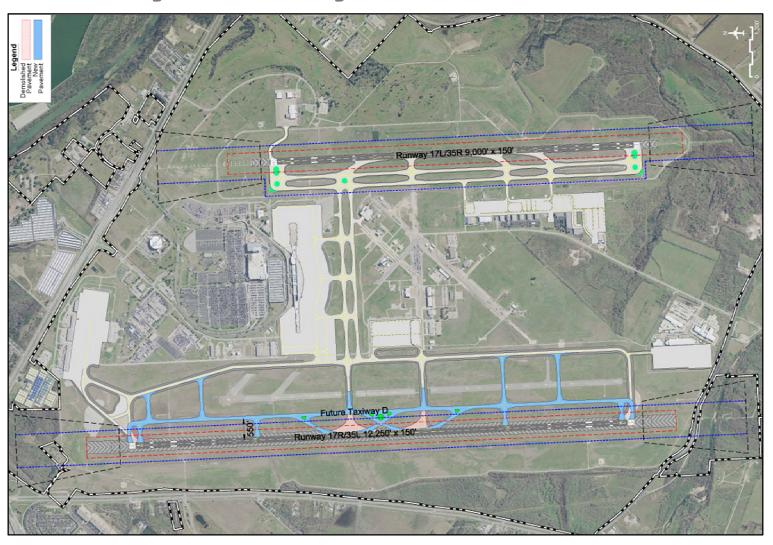


New Runway Supporting Facility Requirements

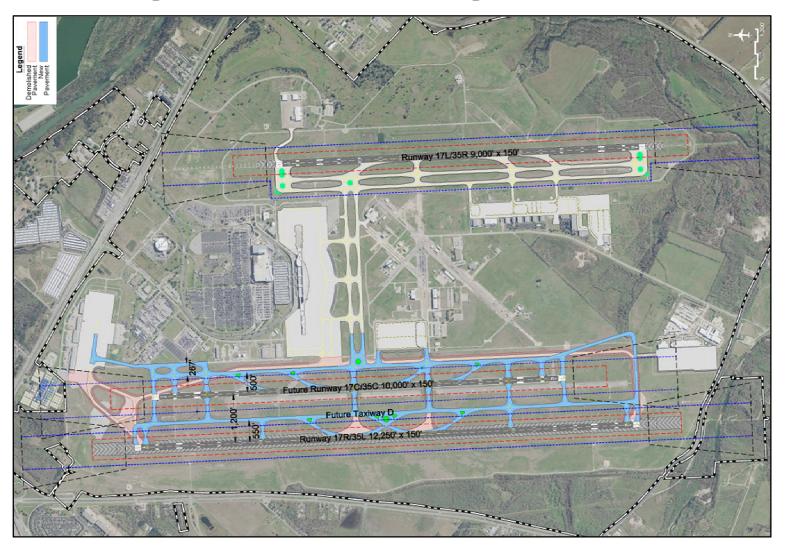
- Addition Construction Timing Considerations
 - Closure of existing runways for major maintenance (loss of capacity with 1 Rwy.)
 - Reconfiguration of Taxiway 'C'
 - Additional Rapid Exit Taxiways (RET's) to increase runway capacity
 - End Around Taxiways (EAT's) to reduce delays

NEW RUNWAY & TAXIWAYS	YEARS								
DEVELOPMENT SCHEDULE	1	2	3	4	5	6	7		
DESIGN / ENGINEERING									
ENVIRONMENTAL									
APPROVAL / PERMITTING PROCESS									
CONSTRUCTION / TESTING									

Recommended Runway 17R-35L & Taxiway 'D' Layout



Recommended New West Runway 17C-35C Layout





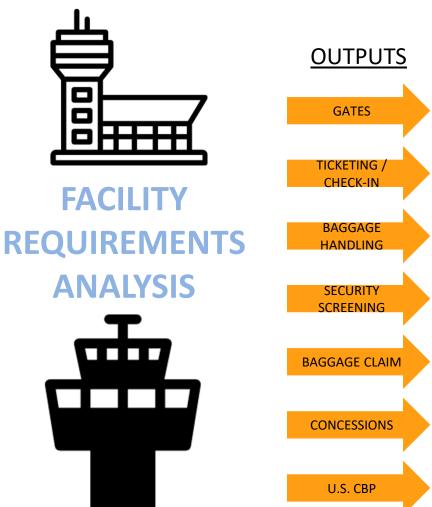






Terminal Facility Requirements Approach





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Demand/Capacity Terminal Facility Requirements Summary

TERMINAL FACILITIES	PAL 1 16.0 MAP	PAL 2 17.0 MAP	PAL 3 20.0 MAP	PAL 4 27.0 MAP
AIRCRAFT GATES	S	D	D	D
TICKETING/CHECK-IN	D	D	D	D
OUTBOUND BAGGAGE HANDLING	D	D	D	D
PASSENGER SECURITY SCREENING	D	D	D	D
CONCOURSE / HOLDROOMS	D	D	D	D
BAGGAGE CLAIM	D	D	D	D
CONCESSIONS	D	D	D	D
U.S. CUSTOMS & BORDER PROTECTION	D	D	D	D

- Outbound baggage handling is being addressed by current 5-year CIP
- Ticketing/Check-in, Passenger Security Screening, U.S. CBP and Concessions must be addressed in the first phase of expansion
- All terminal components require substantial expansion for PAL 2

Legend: Sufficient; Deficient

Terminal Expansion Strategy

TERMINAL EXPANSION SCHEDULE	YEARS								
TERIVITIVAL EXPANSION SCHEDOLE	1	2	3	4	5	6	7	8	9
NEAR-TERM EXPANSION (2018-2021)									
DESIGN / ENGINEERING									
CONSTRUCTION									
LONG-TERM EXPANSION (2019-2024)									
DESIGN / ENGINEERING									
CONSTRUCTION / TESTING									

- Near-term expansion will provide immediate terminal and gate capacity to address current short-falls
- Long-term expansion will be constructed in phases to provide additional capacity in increments to accommodate growth as it occurs

Terminal Gate Requirements

- 12 additional gates will be required to meet the 10-year demand (PAL 3)
- 28 additional gates will be required for PAL 4
- Gate requirements include a 10% operational reliability factor

GATES	Existing (2019) ^{1/}	PAL 1 (2019)	PAL 2 (2022)	PAL 3 (2027)	PAL 4 (2037)
BJT & South Terminal					
Domestic	32	32	34	42	57
International	4	3	5	6	7
SUB-TOTAL GATES	36	35	39	48	64
Remote RONs	42	42	45	58	74
TOTAL POSITIONS	78	77	84	106	138

2037 TERMINAL ALTERNATIVES



Objectives for Terminal Alternatives

Address near-term expansion requirements

Maintain <u>or increase</u> number of available gates during construction of the next phase

Minimize disruption to passengers or operations during expansion

Maintain or enhance passenger experience

Invest in the near-term while maintaining flexibility to adapt in the long-term

Terminal Facility Evaluation Criteria







Maintains ABIA Experience

Intuitive Wayfinding

Flexible Gate Growth









Passenger Movement

Operational Flexibility

Air Traffic Control Flexibility

New Central Plant



General Aviation Impacts



Impacts on Current CIP Projects



Fuel Storage Impacts

Terminal Expansion Opportunities & Considerations

3,503

NORTHWEST TERMINAL AREA

- Minimal area for terminal & parking
- Difficult access from SH 71
- Runway protection
- Unbalanced aircraft movement and long taxitimes to/from east runway

-1.200'

Future West Runway Configuration

EAST TERMINAL AREA

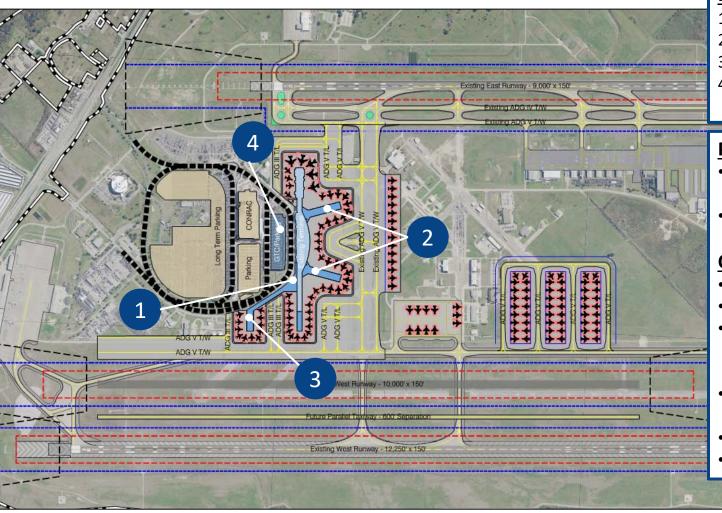
 Limited expansion opportunity due to size of area, Central Plant and runway protection

SOUTH TERMINAL AREA

- Compatible with future West Runway
- Requires substantial new infrastructure
- May split access/egress between SH 71 and US 183
- May impact FAA ATCT and General Aviation

Terminal Alternative 1

Maximize Barbara Jordan Terminal Capacity



Key Attributes:

- 1. Expanded BJT Processor
- 2. South pier concourses
- 3. Northwest concourse
- 4. Convert Garage 1 to Parking & GTC

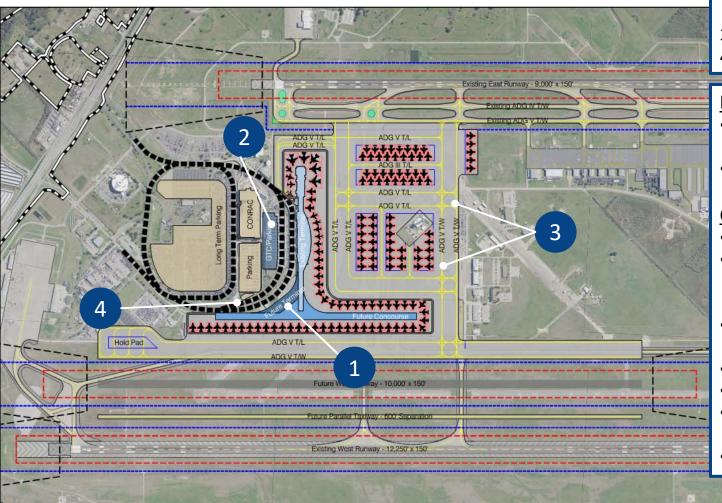
Pros:

- Immediate terminal expansion (West Infill)
- Maintain current ABIA experience

Cons:

- Impact to existing gates
- · Complicated pax. wayfinding
- Requires relocation of existing fuel storage, belly freight, & GSEM facilities
- Minimal long-term expansion capability
- Constructability (Twy. B grade)
- Pilot awareness on ramp

Redeveloped Barbara Jordan Terminal



Key Attributes:

- 1. West terminal and concourse
- 2. Convert Garage 1 to Parking & GTC
- 3. New south taxiways
- 4. Realigned Presidential Blvd

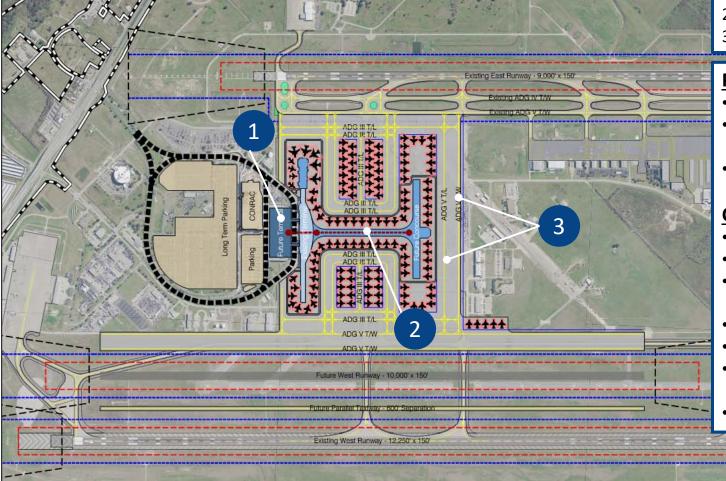
Pros:

- Maintain current ABIA experience
- Increased terminal roadway capacity

Cons:

- Impact to existing gates
- Requires relocation of existing fuel storage, belly freight & GSEM facilities
- Minimal long-term expansion capability
- Constructability (Twy. B grade)
- Pilot awareness on ramp
- Single cross-field connection location
- Southside drainage impacts

New North Terminal with South Concourse



Key Attributes:

- 1. New North Terminal & GTC
- 2. South concourse w/ APM
- 3. New south taxiways

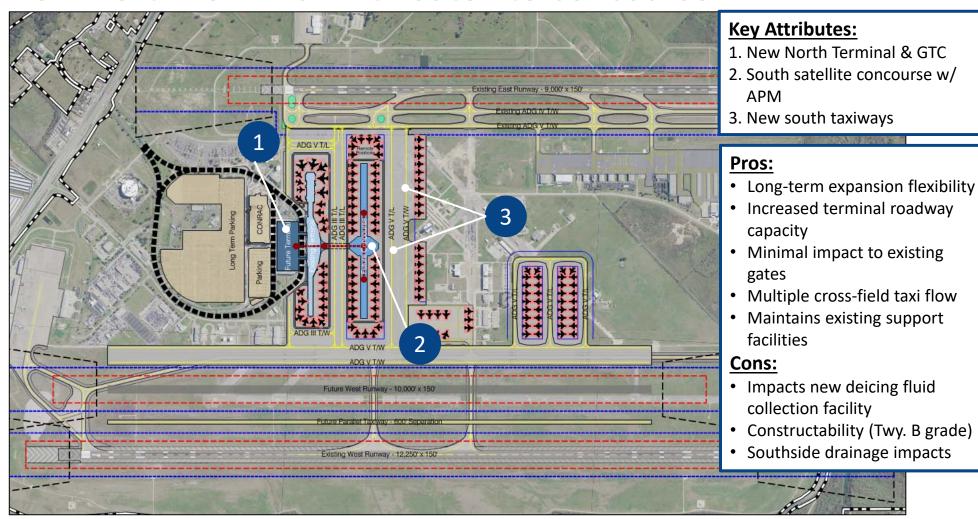
Pros:

- Long-term expansion flexibility
- Increased terminal roadway capacity
- Maintains existing support facilities

Cons:

- Impact to existing gates
- Cul-de-sac gate areas
- Requires relocation of Air Traffic Control Tower
- Constructability (Twy. B grade)
- Pilot awareness on ramp
- Single cross-field connection location
- Southside drainage impacts

New North Terminal with Satellite Concourse



NOTE: ALL OPTIONS REFLECT 64 CONTACT GATES (59 ADG III, 5 ADG V)

New South Terminal with Satellite Concourse Key Attributes: 1. New South Terminal 2. South Terminal satellite concourse w/ APM 3. New south taxiways **Pros:** Long-term expansion flexibility • No impact to existing Barbara Jordan Terminal facilities Maintains existing support facilities Cons: • Significant infrastructure development required on southside • Impacts General Aviation Split terminal operations Wayfinding on roadways Southside drainage impacts

Comparison of Terminal Alternatives – Master Plan Horizon

	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5
Criteria	Maximize BJT Capacity	Redeveloped BJT	North Term. + S. Concourse	North Term. + Satellite Concourse	South Term. + Satellite Concourse
Maintains ABIA Experience	Υ	Υ	γ*	γ*	γ*
Intuitive Passenger Wayfinding	N	Y	Υ	Y	N
Flexible Gate Growth	Y	Υ	Υ	Υ	Υ
Requires Automated Transit	N	N	Υ	Y	Y
Operational Flexibility	Y	Υ	Υ	Υ	Y
Impacts Current CIP Projects	N	Y	N	N	N
ATCT to Remain	Y	Υ	N	Y	Y
C.U.P. to Remain	Y	Y	Y	Y	γ**
Impacts General Aviation	N	N	N	N	Y
Fuel Farm to Remain	N	N	Υ	Υ	Υ
Ease of Constructability	N	N	N	N	N
Intuitive Pilot Wayfinding	N	N	N	Y	Y

^{*} Automated Transit used to maintain curb-to-gate convenience

^{**} Second CUP likely required



Landside Facility Requirements Approach

INPUTS · ABIA Traffic Counts **EXISTING** ABIA Parking Transactions • Existing Levels of Service **CONDITIONS FACILITY REQUIREMENTS** Regional Growth Projections **PASSENGER** · ABIA Operations Data **GROWTH** Comparable Airports **ANALYSIS** CAMPO 2040 Project Connect Connections 2025 Austin Strategic Mobility Plan **REGIONAL PLANS** Imagine Austin Austin Smart Mobility

 Shared Driverless Cars **NEW** Intelligent Parking Systems **TECHNOLOGIES**

Roadmap

Personal Rapid Transit



OUTPUTS PARKING TERMINAL **CURBSIDE** REGIONAL **ROADWAYS** ON-CAMPUS **ROADWAYS GROUND TRANS. CENTER** PERSONAL RAPID **TRANSIT** INTERMODAL **TRANSPORTATION**

E R N A

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Demand/Capacity Regional Roadways Requirements Summary

PARKING AREAS	EXISTING V/C RATIO	PAL 1 16.0 MAP	PAL 2 17.0 MAP	PAL 3 20.0 MAP	PAL 4 27.0 MAP
SH130 – HAROLD GREEN TO SH71	0.18	0.18	0.30	0.59	1.17
SH130 – BURLESON RD TO SH71	0.17	0.18	0.30	0.61	1.23
SH71 – US183 TO SH130	0.82	0.84	0.81	0.70	0.49
US183 – MONTOPOLIS TO SH71	0.83	0.83	0.62	0.84	1.28
US183 – BURLESON RD TO SH71	0.75	0.78	0.85	0.98	1.23
FM973 – FM812 TO SH71	0.46	0.51	0.56	0.64	0.80
FM973 – FM969 TO SH71	0.26	0.28	0.40	0.68	1.23
BURLESON RD	0.47	0.49	0.52	0.57	0.67

Presidential Blvd Roadway Segments – LOS in 2037 with No Improvements

SEGMENTS ON	AM	LOS	PM LOS	
PRESIDENTIAL	2017	2037	2017	2037
SH71 to Hotel Drive	Α	В	Α	F
Hotel Dr. to Spirit of Austin Ln.	Α	В	Α	F
Spirit of Austin Ln. to Long Term Parking Entrance	Α	С	В	F
Long Term Parking Entrance to Lower And Upper Curb Divergence	А	В	В	F
Lower Curbside Divergence to Garage A Exit	А	А	С	F
Garage A Exit to Start of Lower Curbside	А	Α	F	F

SEGMENTS ON	АМ	LOS	PM LOS	
PRESIDENTIAL	2017	2037	2017	2037
Upper Curbside Divergence to Start of Upper Curbside	В	E	В	F
End of Lower Curbside Garage A Entrance	А	Α	D	F
End of Upper Curbside Garage A Entrance	В	F	С	F
Garage A Entrance to Parking Lot G Exit	Α	В	В	F
Parking Lot G Exit CONRAC Entrance	Α	Α	Α	F
CONRAC Entrance Hotel Drive	А	Α	Α	F
Hotel Drive Exit SH 71	А	В	В	F

Intersections – LOS in 2037 with No Improvements

INTERSECTION	АМ	LOS	PM LOS	
INTERSECTION	2017	2037	2017	2037
SH71 WB Frontage at Spirit of Texas	В	E	С	F
SH71 EB Frontage at Spirit of Texas	А	F	В	F
SH71 WB Frontage at Presidential	С	С	С	F
SH71 EB Frontage at Presidential	D	D	D	F
Spirit of Texas at Hotel Dr.	А	F	D	F

INTERSECTION	AM	LOS	PM LOS	
INTERSECTION	2017	2037	2017	2037
Hotel Dr. at Employee Ave	А	Α	А	Е
Hotel Dr. at Presidential	А	Α	А	F
Spirit of Texas at Spirit of Austin	А	F	В	F
Spirit of Texas at Rental Car Rd	А	Α	А	F
Burleson Rd at General Aviation Ave.	А	С	В	В

Terminal Curbside – LOS in 2037 with No Improvements

LOCATION	AM SECONDS IN QUEUE 201	AM LOS	AM SECONDS IN QUEUE	AM LOS	PM SECONDS IN QUEUE 20	PM LOS	PM SECONDS IN QUEUE 20	PM LOS
Upper Level – Inner Lane	2	А	46	С	4	В	20	В
Upper Level – Outer Lane	18	В	62	С	18	В	32	В
Lower Level – Inner Lane	0	А	1	А	135	F	472	F
Lower Level – Outer Lane	0	А	11	А	102	E	418	F

Terminal Curbside Loading/Unloading Lane LOS in 2037 with No Improvements

MODE	FUTURE PEAK HOUR TRAFFIC VOLUME STOPPED AT CURBSIDE	AVERAGE DWELL TIME [SECONDS]	DEMAND IN LINEAR LENGTH [FT]	CURBSIDE LOADING / UNLOADING EFFECTIVE LENGTH [FT]	CURB UTILIZATION RATIO	CURBSIDE LANES LOS BASED ON UTILIZATION FACTOR		
	Upper Level Curbside							
Individually Owned Vehicle	1144	65	870	820	1.06	В		
On-Site Parking Shuttle	46	125	190	200	0.95	В		
Off-Site Parking Shuttle	50	125	190	210	0.90	А		
		Lower Le	vel Curbside					
Individually Owned Vehicle	1205	70	990	540	1.83	Е		
Taxi	166	375	750	590	1.27	С		
On-Site Parking Shuttle	17	125	114	210	0.54	А		
Off-Site Parking Shuttle	75	130	228	210	1.09	В		
Transit	8	300	114	180	0.63	А		

Terminal Curbside Thru Lanes LOS with No Improvements

	FUTURE PEAK HOUR VOLUME (VPH)	FUTURE CAPACITY [VPH]	V/C RATIO	LOS		
	2019					
Curbside Upper Level	710	2790	0.25	В		
Curbside Lower Level	910	2220	0.41	С		
	2022					
Curbside Upper Level	780	2790	0.28	В		
Curbside Lower Level	1000	2220	0.45	С		
	2027					
Curbside Upper Level	900	2790	0.32	В		
Curbside Lower Level	1160	2220	0.52	С		
	2032					
Curbside Upper Level	1040	2790	0.37	В		
Curbside Lower Level	1340	2220	0.60	С		
2037						
Curbside Upper Level	1200	2790	0.43	С		
Curbside Lower Level	1540	2220	0.69	D		

PASSENGER TRAVEL ROUTES TO ABIA

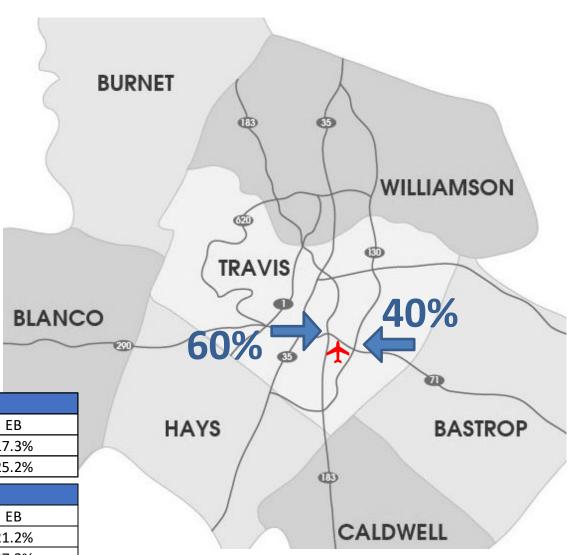


Passenger Travel Routes to ABIA

- 60% of passengers are from Travis County
- The following counties account for 92% of passengers in order of percent
 - Travis
 - Williamson
 - Hays
 - Bell
 - Bexar
 - Bastrop
 - Brazos
- Percentages assume 1/3 of Travis County passengers use SH 130 to access airport

Presidential Boulevard				
	NB (WB)	EB	NB (WB)	EB
AM Peak	803	168	82.7%	17.3%
PM Peak	1158	391	74.8%	25.2%

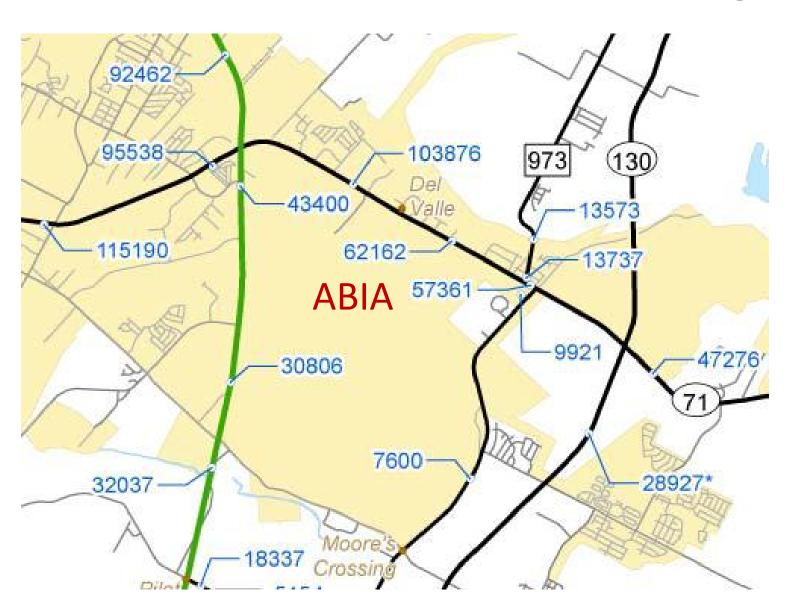
Spirit of Texas					
	NB (WB)	EB	NB (WB)	EB	
AM Peak	215	58	78.8%	21.2%	
PM peak	363	136	72.7%	27.3%	



ABIA ROADWAY TRAFFIC COUNTS



2016 Austin District Traffic Map



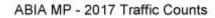
ABIA Traffic study

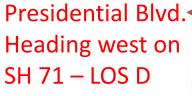
- Traffic counts taken July 21 August 3,
 2017 using video cameras
- Peak Day was July 28, 2017
- 24 hour counts to determine peak hours
- Classification counts determine % heavy vehicles and shuttles
- Turning movement counts to study intersection operations
- Traffic speed data for VISSIM modeling for existing and future conditions



ABIA Existing Roadway Traffic Counts







	0	
rd. 		LEGEND DOX: Average Daily Traffic Volumes AM Peak Hour Traffic Volumes
u.	1	XXX PM Peak Hour Treffic Volumes
n		20062
4	25	21016
F-0	19522	1339 F 4282
	1337	18115
1	1376	1220 2365 NATION OF THE OR
17	2280	LOTE
للم	The William	3304 287 - 3150
INTERNAL CONTRACTOR		100°S 1100°S 28793
Parameter	126	E330 LOT 'G' 2793
	9892 7764	2118
	379 2830 1283	2002
	11555	LOT-C-
	637	
	1487	289 807 807
	103	
levard	(A) 5	LOT "P" LOT "B" LOT "A"
NB (WB)	EB	2816
82.7%	17.3%	191 4334 530 1. B862 B862
74.8%	25.2%	
30	1 11	PRIOR DOLLAR
as	ED.	32292
NB (WB)	EB 21.2%	32292
78.8%	21.2%	MANAGEMENT AND

Presidential Boulevard					
	NB (WB) EB NB (WB) EE				
AM Peak	803	168	82.7%	17.3%	
PM Peak	1158	391	74.8%	25.2%	

Spirit of Texas					
	NB (WB)	EB NB (WB)		EB	
AM Peak	215	58	78.8%	21.2%	
PM peak	363	136	72.7%	27.3%	

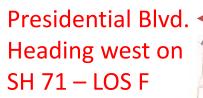
ABIA Future Roadway Traffic Counts

14830

22070



ABIA MP - 2037 Projected Traffic Volumes



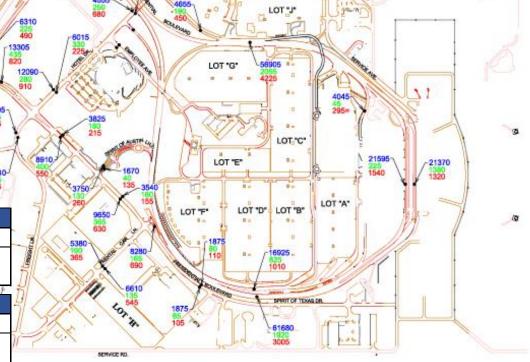
710 1587 1355 2995

Exist.

Fut. LOS D LOS F

Presidential Boulevard						
	NB (WB) EB NB (WB)					
AM Peak	803	168	82.7%	17.3%		
PM Peak	1158	391	74.8%	25.2%		

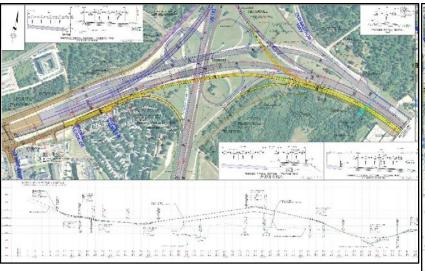
Spirit of Texas					
	NB (WB)	WB) EB NB (WB)		EB	
AM Peak	215	58	78.8%	21.2%	
PM peak	363	136	72.7%	27.3%	

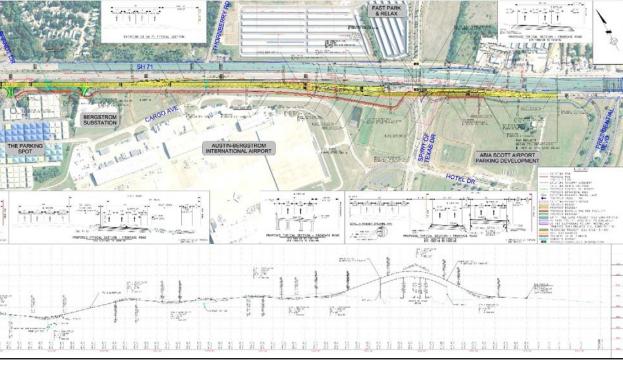


LEGEND XXX 2037 Average Daily Traffic Volumes XXX 2037 AM Peak Hour Traffic Volumes

SH 71 East Bound Frontage Roadway

Access to ABIA from east bound SH 71 will need to exit before SR 183

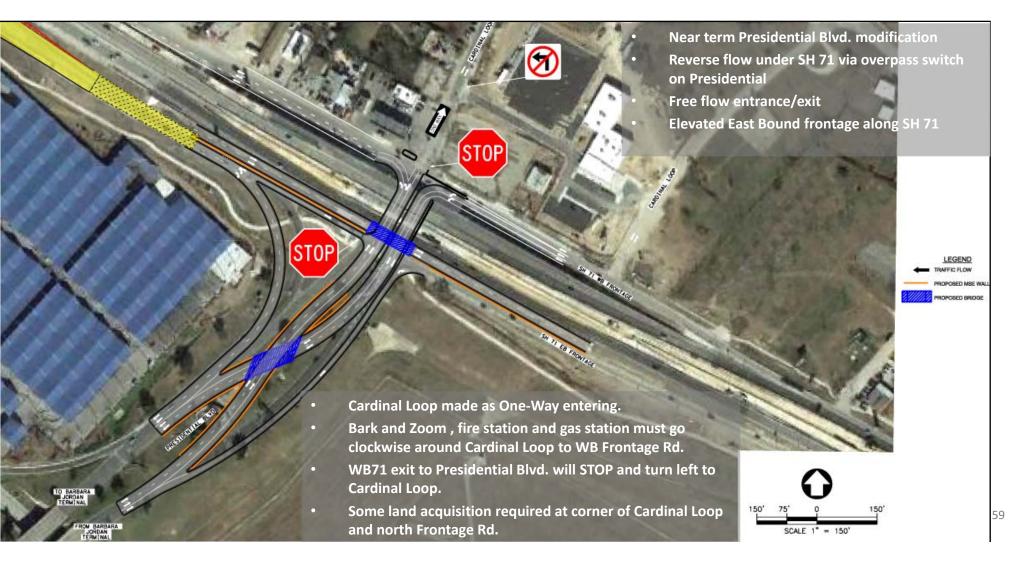




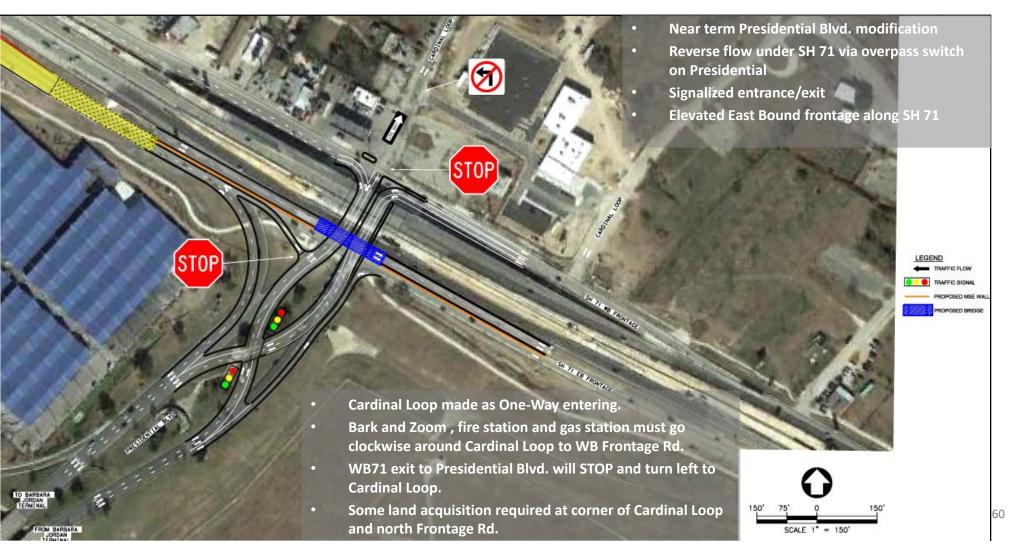
ABIA ROADWAY ALTERNATIVES



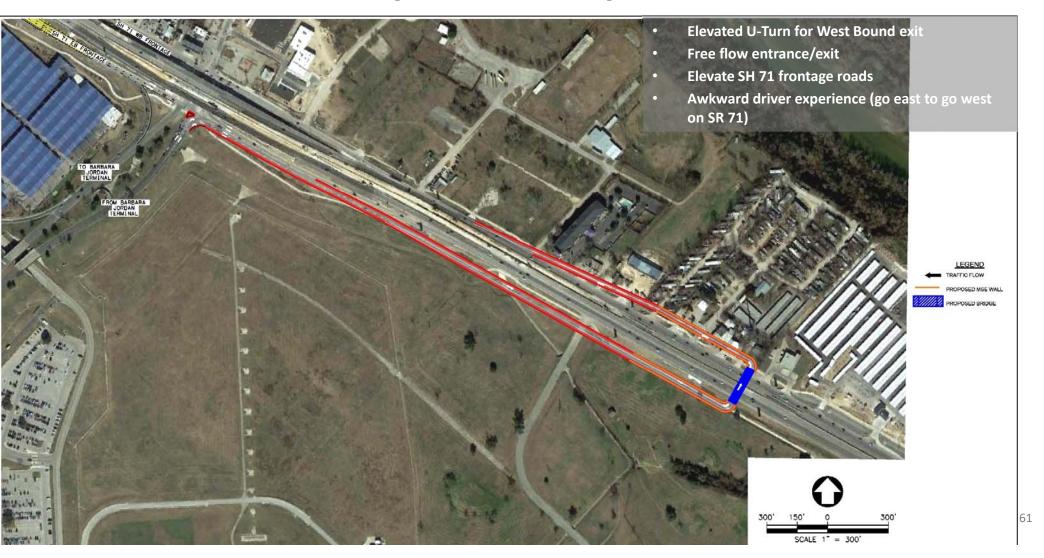
Alternative 1 Braided Left Turn (Near Term)



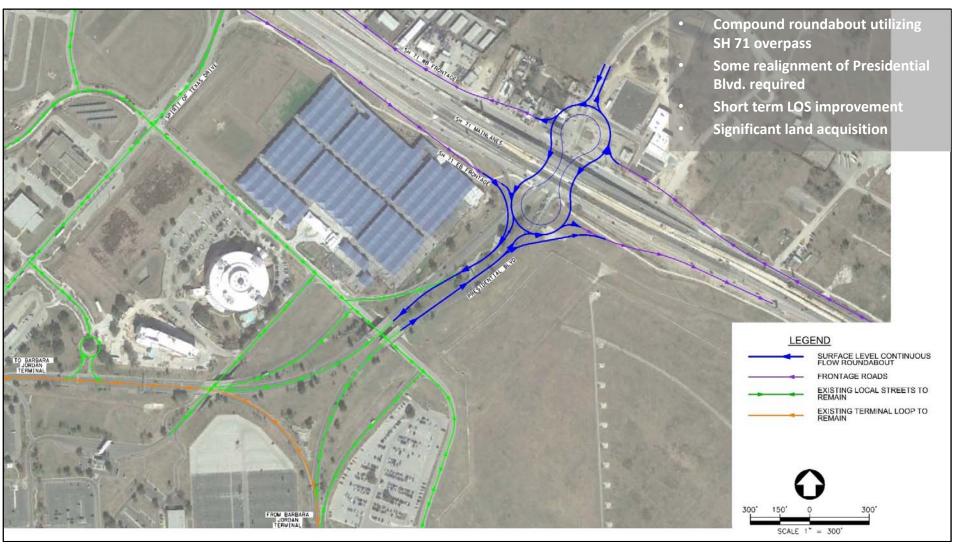
Alternative 2 Diverging Diamond (Near Term)



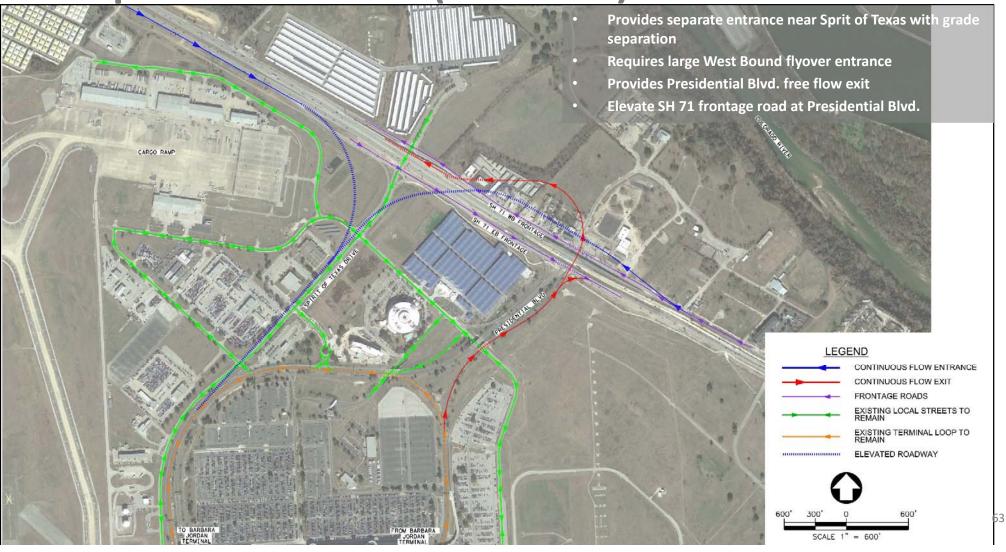
Alternative 3 Elevated U-Turn (Near Term)



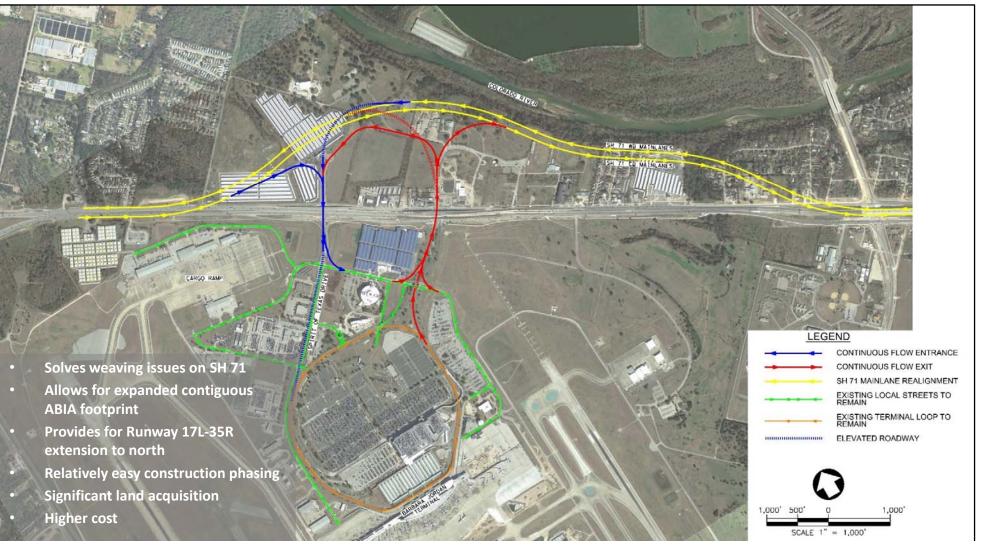
Alternative 4 Roundabout (Near Term)



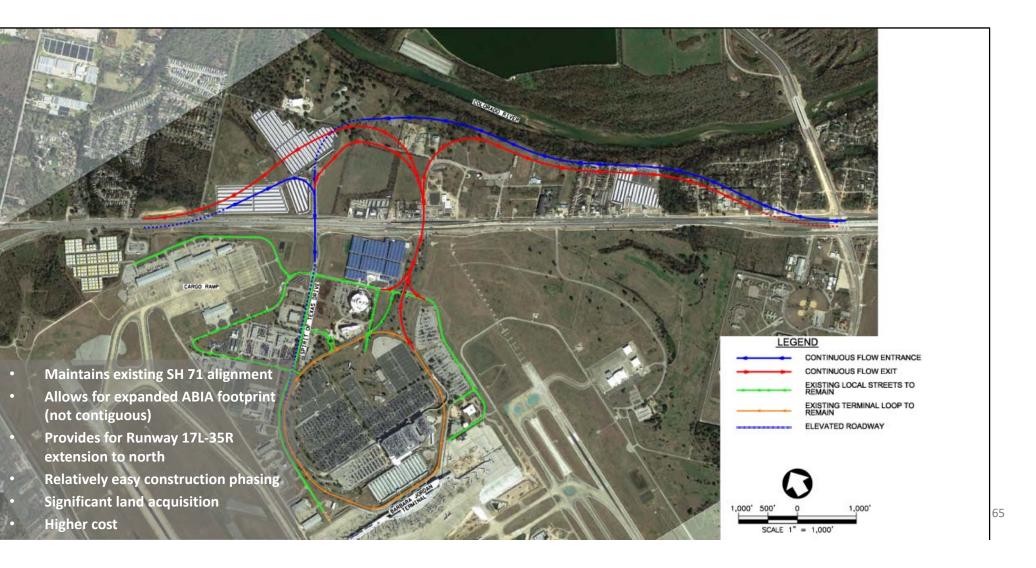
Alternative 5 Separate Entrance (Ultimate)



Alternative 6 Relocate SH 71 (Ultimate)



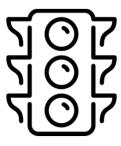
Alternative 7 North Entrance Roads (Ultimate)



Evaluation Criteria for Roadway Alternatives



Clear and Simple



No Stops





Development



Sense of Place



Costs

Evaluation of Roadway Alternatives

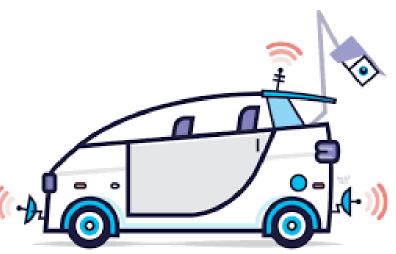
	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt .5	Alt. 6	Alt. 7
Criteria	Reverse Flow	DDI	Elevated U-Turn	Round- about	Separated Entrance	Relocate SH 71	North Entrance Rd.
Clear & Simple			Ø			\square	V
No Stops	$\overline{\checkmark}$			\square	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$
Sense of Place	$\overline{\checkmark}$					$\overline{\checkmark}$	$\overline{\checkmark}$
Intermodal	$\overline{\square}$					$\overline{\square}$	$\overline{\checkmark}$
Development	$\overline{\checkmark}$	$\overline{\checkmark}$				$\overline{\checkmark}$	$\overline{\checkmark}$
Costs	$\overline{\checkmark}$	$\overline{\checkmark}$		\square			
Notes	Low cost Near-term	Lower cost Near-term	Wrong way exit Near-term	Lower cost Near-term	Improves internal circulation	Improves Airport & runway options	Improves Airport development land

NEW TECHNOLOGY IMPACTS ON LANDSIDE FACILITY REQUIREMENTS



Shared Driverless Cars (SDC)

- Will be used >50% of the day compared to <5% for a car.
- A 2% penetration then equals a 20% penetration of vehicle miles traveled.
- One shared driverless car trip could replace multiple parking stalls.
- One shared driverless car could make ten+ trips a day (assuming a round trip takes about one hour).



Shared Driverless Cars (SDC)

- People who park for longer will switch first.
- Business travelers will also be early adopters.
- Rental car companies and TNCs will switch to driverless cars.
- Demand for on-airport rental car storage will decrease because cars can be automatically sent offsite for storage and maintenance.



Impacts of Shared Driverless Cars

Decrease

- Parking demand and revenue
- Rental car demand and revenue



Increase

- Off and on-campus roadway traffic congestion
- Curbside (upper and lower) congestion







PAC Next Steps

- Public Workshop #2 April 19th (6-8:30pm)
- Next PAC Meeting #4 late-September
 - Preferred Airport Layout
 - Implementation Plan
 - Financial / Costs